digital™ MATERIAL SAFETY DATA SHEET

EPOXY RESIN PT.A FOR CONSUMABLE KIT Pg.1 A-SP-ELMD017-AA-0 Rev A.

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation Maynard, MA USA
Non-Emergency Phone Number: (508) 496-9242
Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123
Preparation Date: March 4, 1992
Supersedes: April 20, 1990
Product Name: Epoxy Resin Pt.A (White) For Consumable Kit
Use: Connecting Optic Cable
Part Number(s): H8102-AB, H8102-AC

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST IARC	CARCINOGEN LIST NTP	CARCINOGEN LIST OSHA	SARA 313
N–Butyl–Glycidyl Ether	2426–08–6	8	25 ppm	50 ppm	NO	NO	NO	NO
Silica, Amorphous	7631–86–9	4	10 mg/m³	6 mg/m³	NO	NO	NO	NO
Bis phenol–Epichlorohydrin–Polymer	25068–38–6	88	None					

OTHER INGREDIENTS

None

All chemicals contained in this product are on the US TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 140°C (284°F)
Vapor Density - ~3.8 (air=1)
Appearance - Translucent Liquid
Freezing Point - Not available
Solubility in Water - <1%
Evaporation Rate - >1
Odor and Odor Threshold - Sweet
pH - Not available
Vapor Pressure - <2 mmHg
Percent Volatile - Not available
Melting/Softening Point - Not applicable
Specific Gravity- 1.15 (water = 1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Auto-Ignition Temperature - Not available
Hazardous Combustion Products - Carbon monoxide, carbon dioxide, oxides of nitrogen, aldehydes, organic acids and undetermined organics
Unusual Fire or Explosion Hazards - Dense smoke and toxic gases may be produced upon combustion
Flammable Limits - LEL:0.4%UEL:1.3%
Special Fire Fighting Procedure - Use self contained breathing apparatus when fighting fires in confined areas
Flash Point - 93°C (200°F)
Extinguishing Media - Dry chemical, or halon fire extinguisher, water spray, fog, foam

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SECTION 5 - REACTIVITY DATA

Conditions to Avoid - Avoid mixing resin and curing agent in batches greater than one pound total. Do not heat material unless curing surfaces to be bonded. Failure to observe cautions may result in release of toxic gases.

Hazardous Polymerization - May occur
Incompatibility - Strong oxidizing agents, strong Lewis acids mineral acids
Stability - Stable
Hazardous Decomposition Products - Not available

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans- (Based on hazardous ingredients data) Primary route of exposure is dermal. This product is a potential reproductive and carcinogenic hazard. Skin and eye irritation and dermal sensitization may occur.
Animal Experiment- (Based on hazardous ingredients data)
Acute- Oral LD50- 0.5-5g/kg (slightly toxic); Dermal LD50- 2-20 g/kg (slightly toxic); Inhalation LC50- > 20 mg/l (practically non-toxic) Moderate skin and mild eye irritation have been reported.
Chronic/Other- Skin sensitization and mutagenicity have been observed. Renal and lymphoreticular /hematopoietic tumors have been reported in mice following dermal exposure. Skin tumors are possible following dermal exposure. Structurally similar chemicals have been shown to cause testicular atrophy and impaired reproduction.
Additional Information- TLV^R for N-butyl glycidyl ether was established for dermal irritation. The TLV^R for silica was established for inert dust. This product is dangerous and should be used only with adequate protection that prevents any skin exposure.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

If on Skin - Promptly wash skin with soap and water. If irritation persists, contact a physician. Do not use other solvents to remove material from skin.
If in Eyes - Flush eyes with large quantities of water for at least 15 minutes. Contact a physician.
If Swallowed- Seek immediate medical attention. **If Inhaled -** Not applicable

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - Safety glasses with side shields or goggles are required.
Work Practices - Wear impervious plastic or rubber gloves included in package.
Storage Requirement- Store in a cool dry place. Do not mix in batches of greater than one pound total. Follow recommended curing procedures.
Procedures for Leaks or Spills- Scrape up and transfer to metal container for disposal.
Use rag or paper towel and detergent to clean residue.
Waste Disposal - Cured product is non-hazardous. No special requirements.
Labelling- US: Irritant; Sensitizer; Carcinogen; MUTAGEN:
WHMIS Classification- Class D Division 2 Subdivision B; Toxic Class E-Corrosive
Handling Procedure/Equipment- None
Engineer Control - Not needed.

SECTION 9 - TRANSPORTATION REQUIREMENTS

Epoxy Resin Parts A and B are shipped as a single kit. Requirements below are for the kit.
Proper Shipping Name- Triethylenetetramine (IATA/ICAO,IMO), "This package conforms to conditions and limitations specified in 49CFR 173.4."
Shipper/Consignee "This Side Up" on top. (U.S. DOT)
Hazard Class- Corrosive, 8 (IATA/ICAO, IMO)
Identification Number- UN 2259 (IATA/ICAO, IMO)
RQ- Not applicable
Packing Group- II (IATA/ICAO, IMO)

MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS